

Notice of Allowability

Application No.

10/786,362

Examiner

KHAI TRAN

Applicant(s)

POWELL, SCOTT

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 10/03/2007.
2. ☐ The allowed claim(s) is/are 8-10, 12-14, 16-18 and 22-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

KHAI TRAN
Primary Examiner
Art Unit: 2611

REASONS FOR ALLOWANCE

1. The amendment filed 10/3/2007 has been entered. Claims 1-7, 11, 15, 19-21 have been cancelled. Claims 8-10, 12-14, 16-18, 22-30 are pending in this Office action.

Allowable Subject Matter

2. Claims 8-10, 12-14, 16-18, 22-30 allowed.

The following is an examiner's statement of reasons for allowance: Bhaskaran et al and Hwang et al fail to disclose a system comprising: wherein the transmission system comprises first and second frequency domain multiplexed transceivers that transmit and receive the third signal and the possible error signal over one of a wire or wireless transmission medium as recited in claims 8, 9, 10. Bhaskaran et al and Hwang et al also fail to disclose a system comprising: a first multiplexer that produces a plurality of first signals; and a second multiplexer that produces the fifth signal from a plurality of fourth signals, wherein the encoding FEC and the decoding FEC include a plurality of encoding FECs and a plurality of decoding FECs, a number of each corresponding to a number of the plurality of first signals, wherein the possible error signals are spread over the plurality of fourth signals as recited in claim 12. Bhaskaran et al and Hwang et al also fail to disclose a system comprising: a two-stage multiplexing system; a two-stage interleaving system, wherein each stage of the interleaving system is positioned subsequent to a corresponding stage of the multiplexing system; a transmission system coupled between a second stage of the interleaving system and a first stage of a two-stage de-interleaving system; a two-stage de-multiplexing system, wherein each stage

of the de-multiplexing system is positioned subsequent to a corresponding stage of the de-interleaving system as recited in claim 16.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAI TRAN whose telephone number is (571) 272-3019. The examiner can normally be reached on 7:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Payne can be reached on (571) 272-3024. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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A handwritten signature in black ink, appearing to read 'Khai Tran', with a long horizontal stroke extending to the right.

KHAI TRAN
Primary Examiner
Art Unit 2611

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October 15, 2007